

IN THE CLAIM

Please add claims 11-16 without amending original claims 1-10.

1 1. (Original) A method for allowing debugging capability in code instrumentation that
2 takes a block of original code to produce a block of instrumented code, comprising
3 the steps of:
4 providing an instrumentation breakpoint in the block of original code;
5 generating the block of instrumented code when the instrumentation
6 breakpoint is reached;
7 running the block of instrumented code until a debugging breakpoint is
8 reached, and
9 performing debugging functions on the block of instrumented code at the
10 invoked debugging breakpoint.

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1 2. (Original) The method of claim 1 wherein the step of providing comprises the step of
2 replacing a first instruction in the block of original code by the instrumentation
3 breakpoint.

1 3. (Original) The method of claim 2 wherein the first instruction comprises one or more
2 instructions.

1 4. (Original) The method of claim 2 wherein the step of generating comprises the step of
2 restoring the first instruction to the block of instrumented code.

1 5. (Original) The method of claim 1 wherein the step of providing comprises the step of
2 providing a debugging breakpoint in either the block of original code or the block
3 of instrumented code.

1 6. (Original) A computer-readable medium embodying instructions that cause a
2 computer to perform a method for allowing debugging capability in code
3 instrumentation that takes a block of original code to produce a block of
4 instrumented code, the method comprising the steps of:
5 providing an instrumentation breakpoint in the block of original code;
6 generating the block of instrumented code when the instrumentation
7 breakpoint is reached;
8 running the block of instrumented code until a debugging breakpoint is
9 reached, and
10 performing debugging functions on the block of instrumented code at the
11 invoked debugging breakpoint.

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1 7. (Original) The computer-readable medium of claim 6 wherein the step of providing
2 comprises the step of replacing a first instruction in the block of original code by
3 the instrumentation breakpoint.

1 8. (Original) The computer-readable medium of claim 7 wherein the first instruction
2 comprises one or more instructions.

1 9. (Original) The computer-readable medium of claim 7 wherein the step of generating
2 comprises the step of restoring the first instruction to the block of instrumented
3 code.

1 10. (Original) The computer-readable medium of claim 6 wherein the step of providing
2 comprises the step of providing a debugging breakpoint in either the block of
3 original code or the block of instrumented code.

1 11. (NEW) The method of claim 2 wherein the debugging breakpoint being referred to as
2 a first debugging breakpoint and the first instruction being a second debugging
3 breakpoint.

1 12. (NEW) The method of claim 1 wherein the debugging breakpoint being referred to as
2 a first debugging breakpoint and the instrumentation breakpoint being replaced by
3 a second debugging breakpoint.

1 13. (NEW) The method of claim 1 wherein an instrumentor provides the instrumentation
2 breakpoint and information related to the instrumentation breakpoint.
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1 14. (NEW) The computer-readable medium of claim 7 wherein the debugging breakpoint
2 being referred to as a first debugging breakpoint and the first instruction being a
3 second debugging breakpoint.

1 15. (NEW) The computer-readable medium of claim 6 wherein the debugging breakpoint
2 being referred to as a first debugging breakpoint and the instrumentation
3 breakpoint being replaced by a second debugging breakpoint.

1 16. (NEW) The computer-readable medium of claim 6 wherein an instrumentor provides
2 the instrumentation breakpoint and information related to the instrumentation
3 breakpoint.
